

PROCESS FOR THE PRODUCTION OF MESITYLENE

Abstract

A process is described for the synthesis of mesitylene,
10 characterized in that mesitylene is obtained starting exclusively from pseudocumene, without the use of any other chemical compound, operating in continuous, at a temperature ranging from 225 to 400°C, at a pressure ranging from 1 to 50 bar, at a weight space velocity ranging from 0.1 to
15 10 hours⁻¹, and in the presence of a catalyst containing a zeolite selected from ZSM-5 zeolite having a crystal lattice based on silicon oxide and aluminum oxide, and ZSM-5 zeolite modified by the partial or total substitution of Si with a tetravalent element such as Ti or Ge and/or the partial or total substitution of Al with other trivalent elements, such as Fe, Ga or B.